

October 4, 1929.

My dear Dr. Anderson,

684 I have just been working on our records of the avian stain and they are as follows.

The Avian phosphatid gave the same reaction as the human phosphatid after twelve doses but not quite as massive. The lesions were in part in the form of tubercle-like bodies, more in the diffuse reaction of epithelioid cells. The epithelioid cell was the predominating reaction and there were large numbers of the typical epithelioid or Langhans giant cells.

The Avian fatty acid on the other hand gave a reaction much more like that from the glyceride s than like Fatty acid I from the human phosphatid A-3. In one animal ~~there~~ R 922 there was a considerable irritation of the serosal lining cells and a few leucocytes free in the tissues. Epithelioid cells were present in small numbers and the more striking thing was the presence of large numbers of foreign body giant cells. In the second animal R 923, both having received 12 intraperitoneal injections of 20 mgm in 0.5 cc mujol, there were many more epithelioid cells but all of them scattered; none in the form of tubercles. Again the most striking reaction was of foreign body giant cells. This is interesting since it was the reaction of the Fatty acid IV from the glycerides which was relatively less optically active. We do not know at all the reason for the formation of the foreign body giant cells in these reactions but they are not the ~~from~~ especially characteristic of tuberculous lesions.

The sections of the bovine material have not yet been finished but I had them started the moment that your letter came and they will be ready Monday or Tuesday at the latest. We have learned not to analyze our data until we get the sections too for sometimes there are things in them that we miss in the fresh. I will study them and send you the report Tuesday or Wednesday of next week; will that be in time.

We too are struggling and we shall say the same as you if we ever get through.

Cordially yours,